

Title (en)

Aqueous dispersions of etherified amino resins and their use as hardening agents in aqueous coating compositions

Title (de)

Wässrige Dispersionen von verethererten Aminoplastharzen und ihre Verwendung als Härtungsmittel in wässrigen Lacksystemen

Title (fr)

Dispersions aqueuses de résines aminoplastes étherifiées et leur utilisation comme agents de durcissement dans des compositions de revêtement aqueuses

Publication

**EP 0733686 B1 20031001 (DE)**

Application

**EP 96104126 A 19960315**

Priority

DE 19510520 A 19950323

Abstract (en)

[origin: EP0733686A2] Aq. dispersions of etherated amino resins (I), contg. (A) 10-50% etherated or partly etherated amino resin, (B) 0-15% 1-10C linear or branched alkanol, (C) 89.9-32.5% water and (D) 0.1-5.5% anionic emulsifiers. Also claimed are: (i) a process for the prodn. of (I), by mixing (A) with (D) and combining the mixt. with water in a suitable mixer; (ii) one-component paints contg. dispersions (I) and aq. dispersions of OH gp.-contg. binders; (iii) two-component paints as in (i), pref. also contg. aq. isocyanate dispersions. Pref. resins (A) comprise reaction prods. of aliphatic aldehydes such as formaldehyde, glyoxal and/or furfural with amino resin- formers, pref. melamine, ammeline, ammelide, acetoguanamine, benzoguanamine, caproguanamine, urea, thiourea, ethylene-urea, propylene-urea and/or acetylene-urea. Resins (A) are partly or completely etherated with 1-10C linear or branched alkanols. Emulsifiers (D) have hydrophobic segment(s) and one hydrophilic segment, or at least two hydrophilic segments, of which at least one has non-ionic properties and at least one has anionic properties. A soln. of (A) in alkanol (B) is mixed with (D), and this phase is then mixed with water at 20-95 degrees C.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

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